



Nutrient Sponge GR™

Powerful Phosphorus and Nitrogen Reduction

Background: The US EPA has identified nutrient pollution (phosphorus and nitrogen) as one of America's most widespread, costly and challenging environmental problems. These nutrients support the growth of algae and aquatic plants that provide habitat and food for fish, insects and other organisms. However when nutrient levels increase too far, nuisance algae and weed growth can dominate a body of water, making it unattractive, unnavigable, odorous and a poor environment for a healthy fish population.

Description: When used in combination with our inversion and oxygenation systems, Nutrient Sponge GR™ was created to reduce nutrients and help improve water quality without the potential side effects of chemicals. A unique granular formulation, Nutrient Sponge GR™ has the ability to hold a high quantity of active colonies of microorganisms used to treat water. It can be deployed in the body of water to reduce nutrients present, but can also be deployed in incoming springs, creeks and streams to reduce nutrients before they ever reach a body of water. The best watershed management programs cannot stop all nutrients from entering a body of water, but now Nutrient Sponge GR™ can be added to further increase nutrient reduction in incoming waters.

Where It Can Be Used: Nutrient Sponge GR™ can be used in many different types of applications. Aeration and circulation improve performance. Non-aerated applications will experience lower removal rates than aerated applications. Typical applications include use in wastewater lagoons, ponds, lakes and reservoirs (both in the body of water as well as incoming inlets), fish ponds and aquaculture ponds, decorative ponds, moving water systems such as creeks and rivers, circulating waste tanks, etc. Nutrient Sponge GR™ can also be formulated for removal of many metal ions such as selenium, arsenic, lead, copper, nickel and manganese.

Application: Nutrient Sponge GR™ can be packaged in 10 lb. and 25 lb. permeable bags that allow the water to flow through the bag. These bags can be placed anywhere that nutrient reduction is desired. Circulation or flowing water increases the level of nutrient reduction. The bags can be replaced periodically if nutrient levels start to increase. Nutrient Sponge GR™ can also be applied evenly across the water surface. It can also be applied with concentration in problematic plant growth areas.

SAFETY: Persons allergic to dust should wear nose and mouth protection when handling the dry product. In the event of direct contact with eyes or skin, flush the affected area with water. When used as directed, product is safe in the environment.

STORAGE: Store product in original sealed container at room temperature.